



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

Sunshine Windows Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, FL 33012

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "F-2009" Steel Fixed Window – N. I.

APPROVAL DOCUMENT: Drawing No. **FW09**, titled "Series F-2009 Steel Frame Fixed Window with 90 Min. Fire Rated Firelite Glass", sheets 1 through 4 of 4, dated 11/18/09, with revision #1 dated 03/13/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 09-0915.14 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Manuel Perez
5/14/12

NOA No. 12-0320.05
Expiration Date: December 16, 2014
Approval Date: May 24, 2012
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **FW09**, titled "Series F-2009 Steel Frame Fixed Window with 90 Min. Fire Rated Firelite Glass", sheets 1 through 4 of 4, dated 11/18/09, with revision #1 dated 03/13/12, prepared by manufacturer, signed and sealed by Francisco Hernandez, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of a steel fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5990**, dated 07/30/09, signed and sealed by Julio E. Gonzalez, P.E.
(Submitted under previous NOA#09-0915.14)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 09/02/09, prepared, signed and sealed by Francisco Hernandez, P. E.
(Submitted under previous NOA#09-0915.14)
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS


1. None.

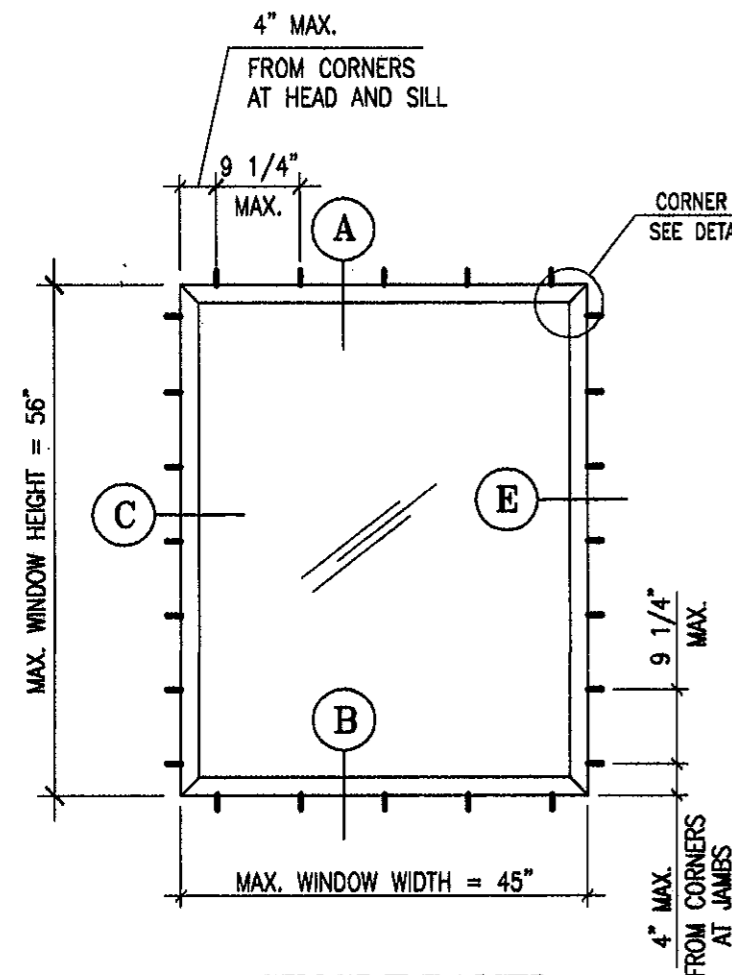
F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated March 13, 2012, signed and sealed by Francisco Hernandez, P.E.

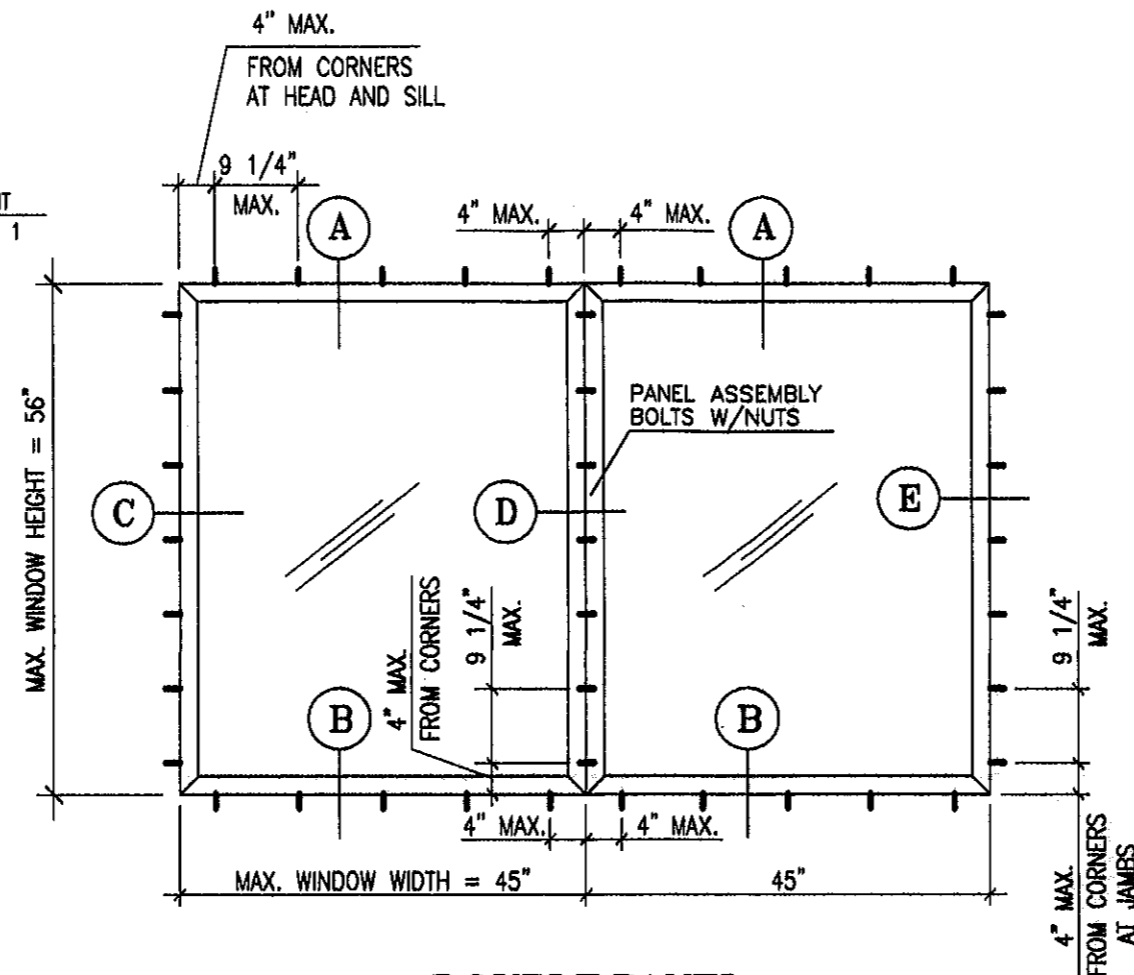
G. OTHERS

1. Notice of Acceptance No. **09-0915.14**, issued to Sunshine Windows Manufacturing, Inc. for their Series "F-2009" Steel Fixed Window – N. I., approved on 12/16/09 and expiring on 12/16/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0320.05
Expiration Date: December 16, 2014
Approval Date: May 24, 2012



**SINGLE PANEL
STEEL FRAME FIXED WINDOW**



**DOUBLE PANEL
STEEL FRAME FIXED WINDOW**

GENERAL NOTES

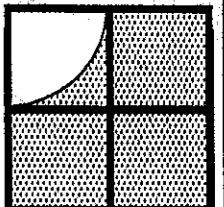
- 1- THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE.
- 2- SHUTTERS ARE REQUIRED FOR MISSILE IMPACT PROTECTION.
- 3- REFERENCE TEST REPORT FTL - 5990 DATED JULY 3, 2009.
- 4- USE SINGLE PANEL DIMENSIONS IN DESIGN PRESSURES CHART
- 5- FOR NUMBER OF ANCHORS SEE DESIGN PRESSURE CHART.
- 6- FOR ANCHOR SPACING SEE ELEVATIONS ON THIS SHEET.
- 7- FOR INSTALLATION SEE SECTIONS ON SHEET 3 OF 4.
- 8- FOR WELDING DETAILS SEE SHEET 4 OF 4.
- 9- 33.3 % STRESS INCREASE HAS NOT BEEN USED IN DESIGN OF ANCHORS.
- 10- ALL METAL SURFACES SHALL BE PROTECTED AGAINST CORROSION AS SPECIFIED IN SECTION 2220 OF THE FBC.

DESIGN PRESSURES CHART - PSF

PANEL SIZE H X W INCHES	NUMBER OF ANCHORS PER PANEL		3/16" FIRELITE 90 MIN. FIRE RATED.	
	LONG SIDE	SHORT SIDE	POS.	NEG.
56 X 45	7	5	50.00	50.00
56 X 40		5	52.80	52.80
56 X 36		5	55.60	55.60
56 X 30		4	61.50	61.50
56 X 24		3	72.10	72.10
56 X 18		3	90.00	90.00
48 X 45	6	5	50.00	50.00
48 X 40		5	56.20	56.20
48 X 36		5	60.40	60.40
48 X 30		4	65.90	65.90
48 X 24		3	75.50	75.50
48 X 18		3	92.90	92.90
36 X 45	5	5	52.00	52.00
36 X 40		5	56.80	56.80
36 X 36		5	62.50	62.50
36 X 30		4	75.00	75.00
36 X 24		3	85.00	85.00
30 X 45	4	5	56.20	56.20
30 X 40		5	60.00	60.00
30 X 30		4	75.00	75.00
30 X 24		3	93.70	93.70
30 X 18		3	100.00	107.90
24 X 45	3	5	63.90	63.90
24 X 40		5	66.90	66.90
24 X 24		3	93.70	93.70
24 X 18		3	100.00	120.80
18 X 45	3	5	78.10	78.10
18 X 40		5	80.60	80.60

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0320.05
Expiration Date DEC. 16, 2014
By *Manuel Perez*
Miami Dade Product Control

Francisco Hernandez
3-13-12
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
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Ph: (305)384-9952
Fax: (305)828-5118

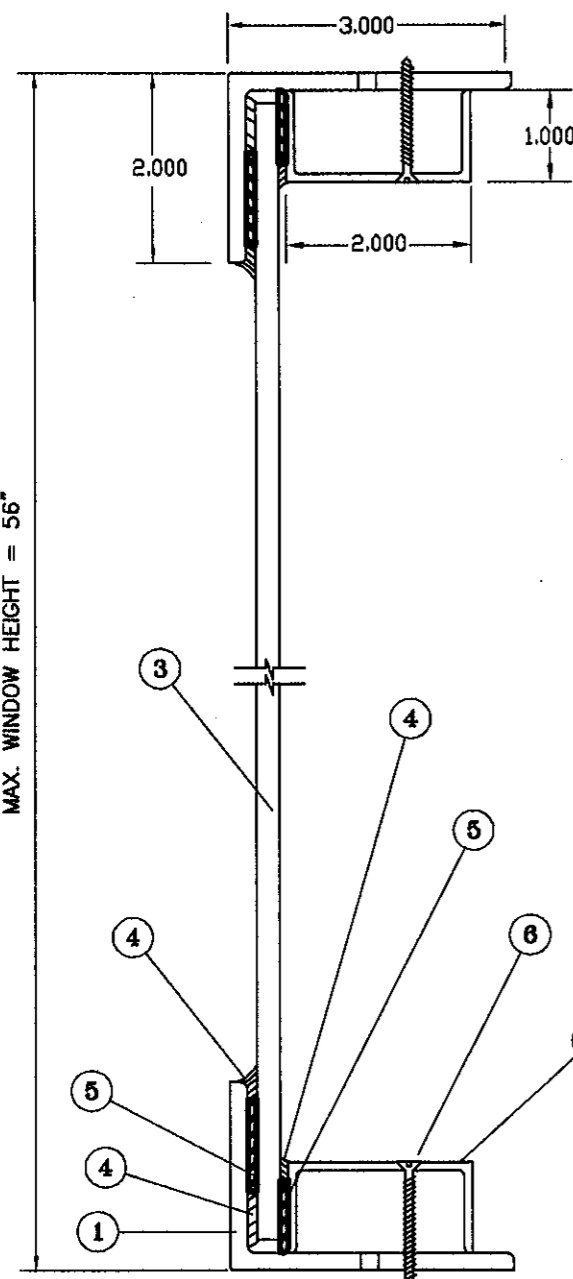
**SERIES F-2009
STEEL FRAME FIXED WINDOW
WITH 90 MIN. FIRE RATED
FIRELITE GLASS**

NO	DATE	REVISION	UPDATED FOR 2010 FBC
1	03-13-12		

DRAWING No.
FW09
DATE: 11-18-09
SCALE: 1/2"=1"
SHEET 1 OF 4

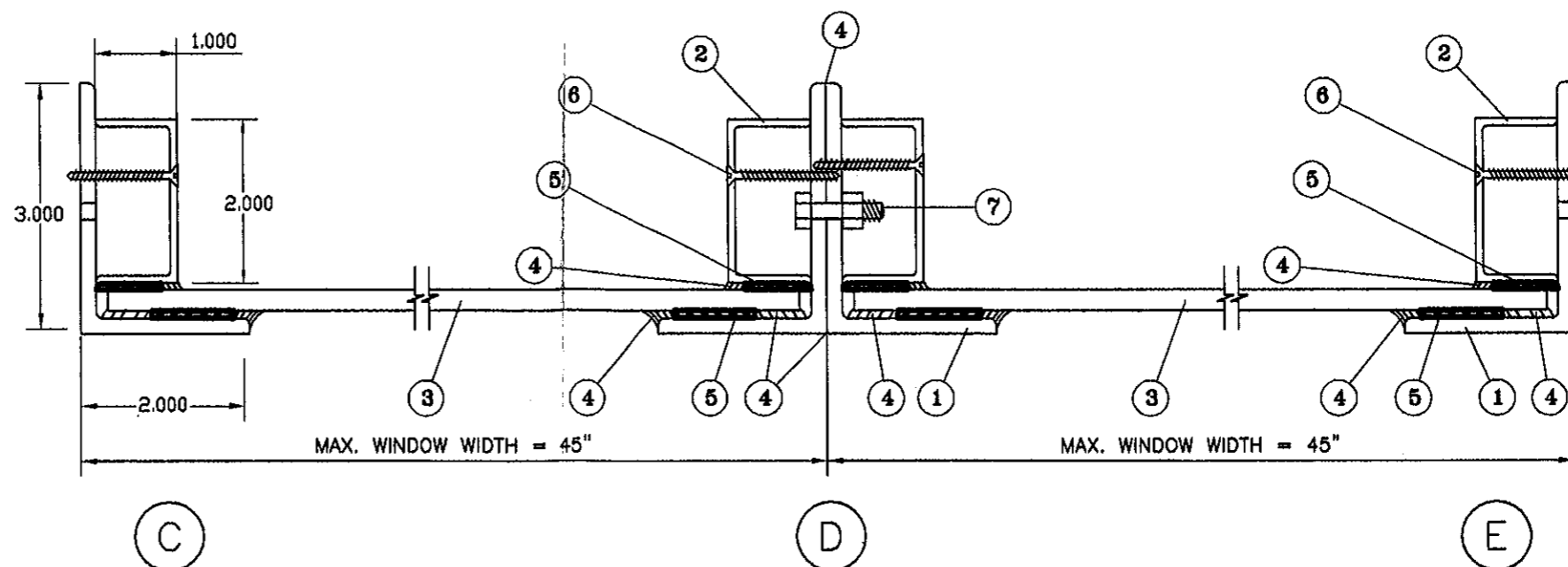
(A)

MAX. WINDOW HEIGHT = 56"



(B)

VERTICAL SECTION



(C)

(D)

(E)

HORIZONTAL SECTION

MATERIAL LIST

ITEM	QTY.	DESCRIPTION	MATERIAL	NOTES
1	AS REQ.	3" X 2" X 3/16" ANGLE	STEEL (GRADE A36)	WINDOW FRAME
2	AS REQ.	2" X 1" X 1/8" CHANNEL	STEEL (GRADE A36)	GLAZING BEAD
3	1	3/16" FIRELITE GLASS	CERAMIC GLASS	90 MIN. FIRE RATED GLASS
4	AS REQ.	DOW CORNING 795	SILICONE	GLAZING SEALANT
5	AS REQ.	1/8" X 1" GLAZING TAPE	FIBERGLASS	SPACER
6	AS REQ.	# 12 S.M.S.	STEEL	GLAZING BEAD SCREW
7	AS REQ.	1/4" HEX HEAD BOLT W/NUTS	STEEL	TWO PANELS ASSEMBLY BOLTS

1

2

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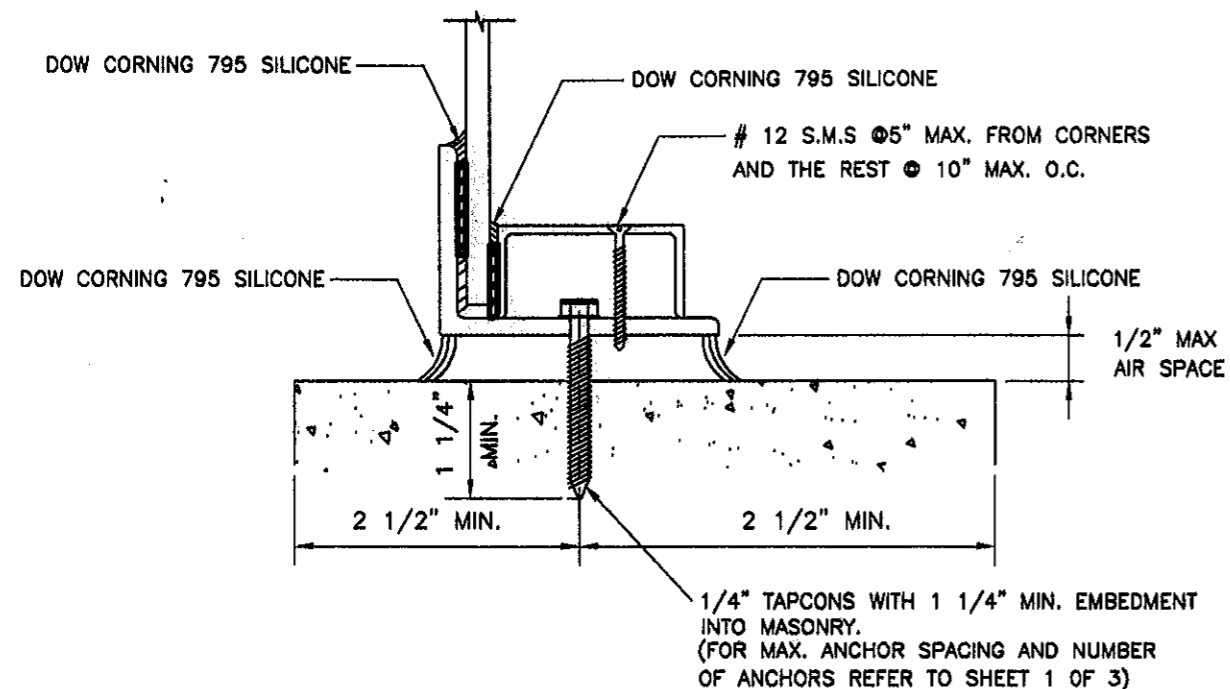
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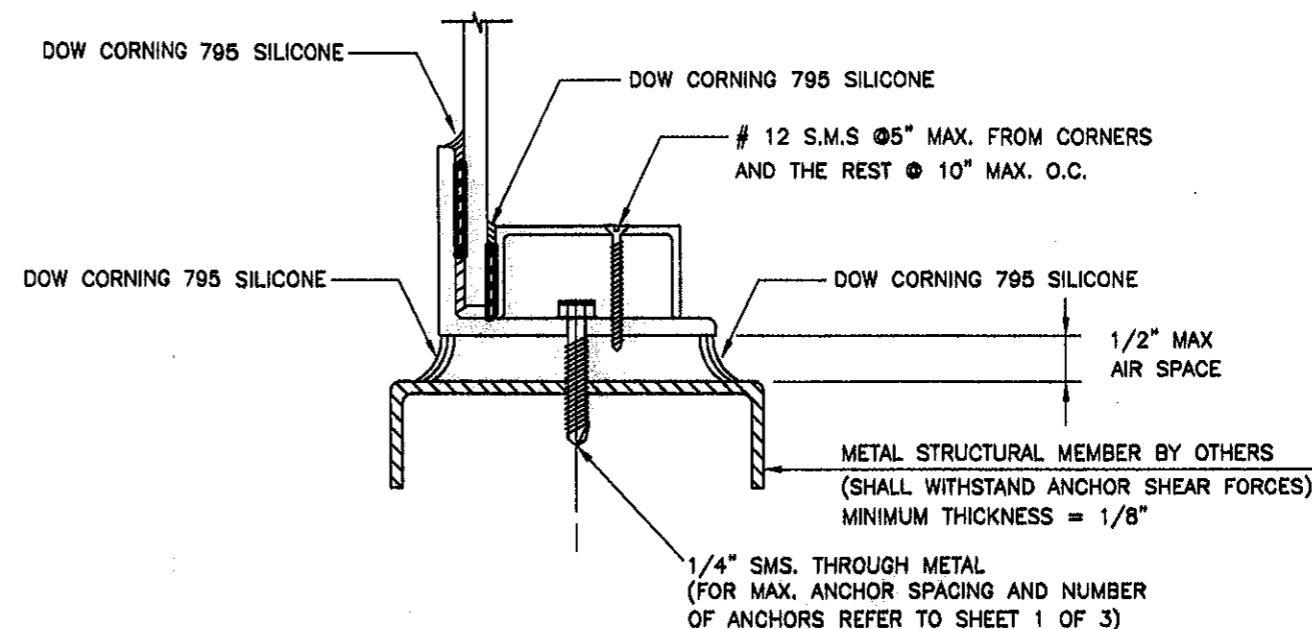
SERIES F-2009
STEEL FRAME FIXED WINDOW
WITH 90 MIN. FIRE RATED
FIRELITE GLASS

No	DATE	REVISION	NO CHANGE THIS SHEET
1	03-13-12		

DRAWING No.
FW09
DATE: 11-18-09
SCALE: 1/2"=1"
SHEET 2 OF 4

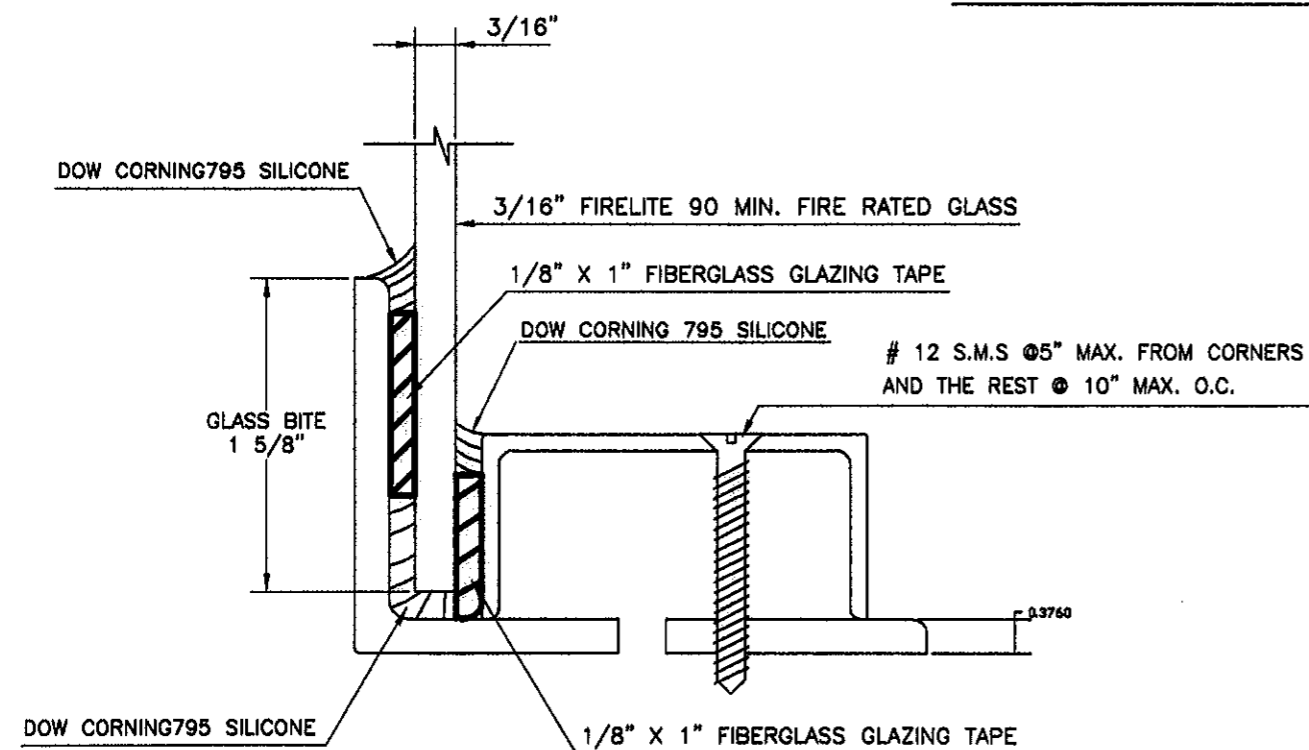


ATTACHMENT TO MASONRY



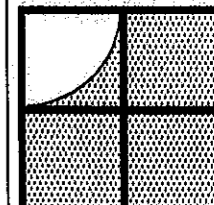
ATTACHMENT TO METAL STRUCTURE

CONNECTION DETAILS



GLAZING DETAIL

Scale: 1" = 1"



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SERIES F-2009
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WITH 90 MIN. FIRE RATED
FIRELITE GLASS

No	DATE	REVISION
1	03-13-12	NO CHANGE THIS SHEET

DRAWING No.
FW09

DATE: 11-18-09

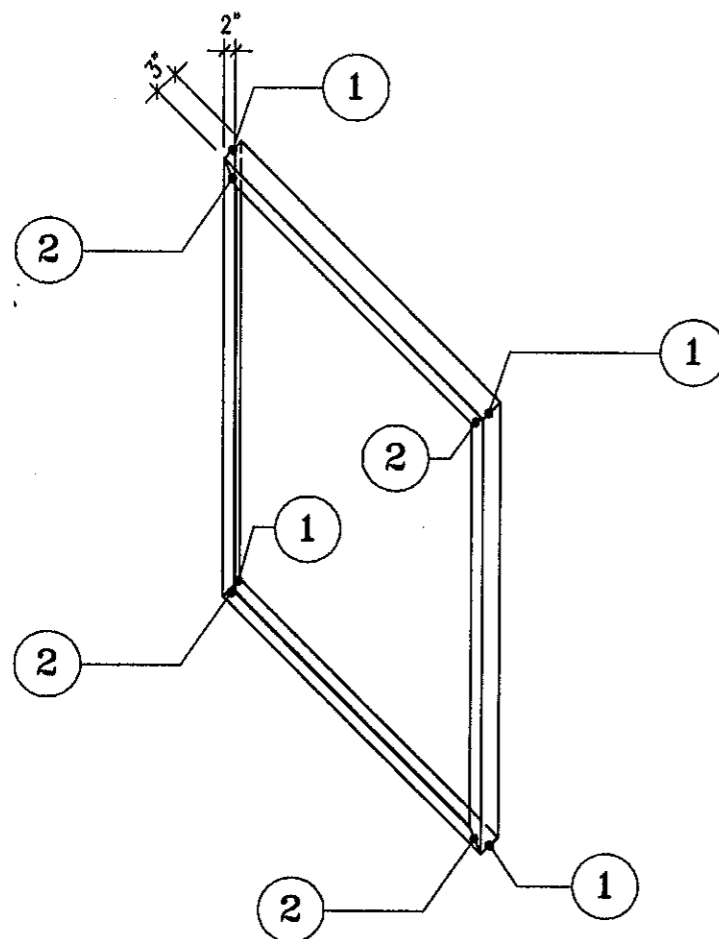
SCALE: 1/2"=1"

SHEET 3 OF 4

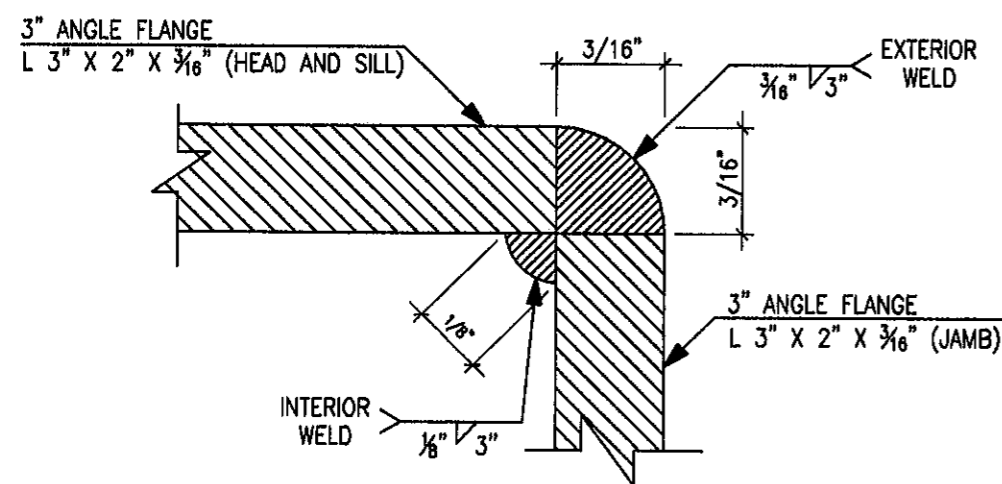
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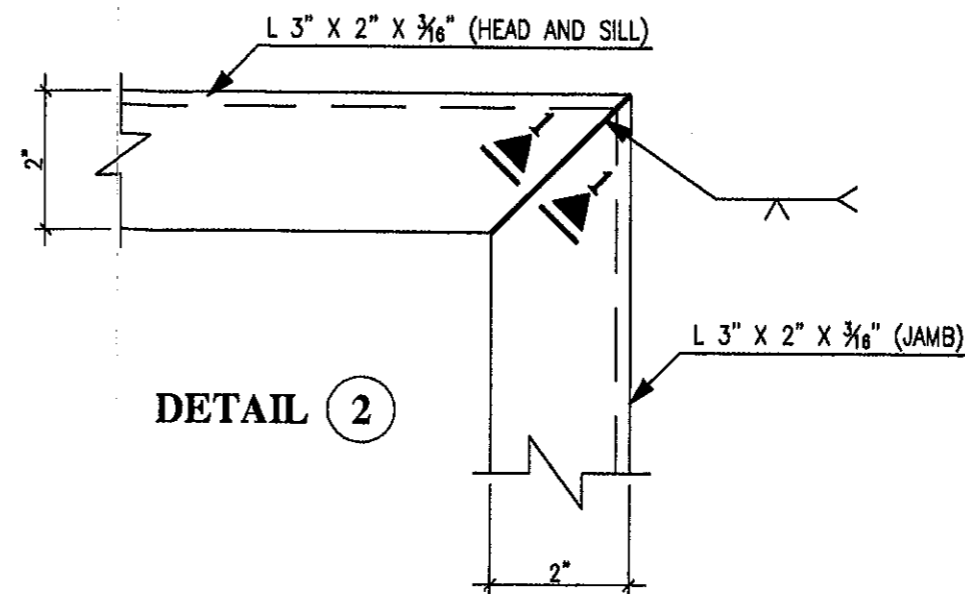
FRANCISCO HERNANDEZ
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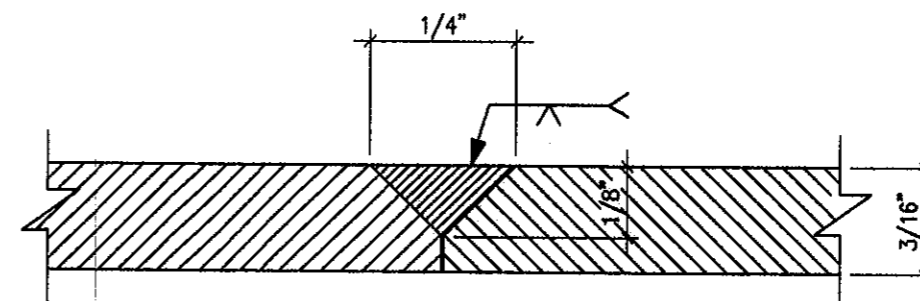
STEEL FRAME FIXED WINDOW



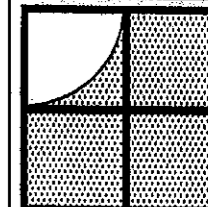
DETAIL 1



DETAIL 2



SECTION 1-1



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No	DATE	REVISION
1	03-13-12	UPDATED FOR 2010 FBC

DRAWING No.
FW09

DATE: 11-18-09

SCALE: N.T.S.

SHEET 4 OF 4

PRODUCT REVISED
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